# Jessie S Jeon

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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|---|---|---|---|
| 47 papers | 2,466 citations | 16 h-index | 47 g-index |
| 47 ext. papers | 2,924 ext. citations | 6.2 avg, IF | 5.11 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 47 | Acoustofluidic Stimulation of Functional Immune Cells in a Microreactor.. *Advanced Science*, **2022**, e2105800 | 13.8 | 0 |
| 46 | Acoustofluidic Stimulation of Functional Immune Cells in a Microreactor (Adv. Sci. 16/2022). *Advanced Science*, **2022**, 9, 2270102 | 13.6 | |
| 45 | Investigation on the Effect of Cyclic Stretch and Hypoxia on Recovery of Damaged Skeletal Muscle Cells Using Microfluidic System (Adv. Mater. Technol. 11/2021). *Advanced Materials Technologies*, **2021**, 6, 2170063 | 6.8 | |
| 44 | Manipulation of cancer cells in a sessile droplet travelling surface acoustic waves. *Lab on A Chip*, **2021**, | 7.2 | 3 |
| 43 | Acoustofluidic Separation of Proteins Using Aptamer-Functionalized Microparticles. *Analytical Chemistry*, **2021**, 93, 8309-8317 | 7.8 | 1 |
| 42 | Use of 2-dimensional cell monolayers and 3-dimensional microvascular networks on microfluidic devices shows that iron increases transendothelial adiponectin flux via inducing ROS production. *Biochimica Et Biophysica Acta - General Subjects*, **2021**, 1865, 129796 | 4 | 1 |
| 41 | Electrospun Microvasculature for Rapid Vascular Network Restoration. *Tissue Engineering and Regenerative Medicine*, **2021**, 18, 89-97 | 4.5 | 2 |
| 40 | Label-free three-dimensional observations and quantitative characterisation of on-chip vasculogenesis using optical diffraction tomography. *Lab on A Chip*, **2021**, 21, 494-501 | 7.2 | 6 |
| 39 | Recycling silver nanoparticle debris from laser ablation of silver nanowire in liquid media toward minimum material waste. *Scientific Reports*, **2021**, 11, 2262 | 4.9 | 7 |
| 38 | Antibiotic susceptibility test under a linear concentration gradient using travelling surface acoustic waves. *Lab on A Chip*, **2021**, 21, 3449-3457 | 7.2 | 3 |
| 37 | Microfluidic Tumor Vasculature Model to Recapitulate an Endothelial Immune Barrier Expressing FasL. *ACS Biomaterials Science and Engineering*, **2021**, 7, 1230-1241 | 5.5 | 5 |
| 36 | Potential of Drug Efficacy Evaluation in Lung and Kidney Cancer Models Using Organ-on-a-Chip Technology. *Micromachines*, **2021**, 12, | 3.3 | 6 |
| 35 | Reagent- and actuator-free analysis of individual erythrocytes using three-dimensional quantitative phase imaging and capillary microfluidics. *Sensors and Actuators B: Chemical*, **2021**, 348, 130689 | 8.5 | 0 |
| 34 | Surface tethering of stromal cell-derived factor-1 carriers to stem cells enhances cell homing to ischemic muscle. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2020**, 28, 102215 | 6 | 2 |
| 33 | Three-dimensional pore network characterization of reconstructed extracellular matrix. *Physical Review E*, **2020**, 101, 052414 | 2.4 | 2 |
| 32 | Cancer cell migration and cancer drug screening in oxygen tension gradient chip. *Biomicrofluidics*, **2020**, 14, 044107 | 3.2 | 12 |
| 31 | Lipopolysaccharide-Induced Vascular Inflammation Model on Microfluidic Chip. *Micromachines*, **2020**, 11, | 3.3 | 7 |

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| 30 | Efficient Capture and Raman Analysis of Circulating Tumor Cells by Nano-Undulated AgNPs-rGO Composite SERS Substrates. *Sensors*, **2020**, 20, | 3.8 | 5 |
| 29 | Emulating endothelial dysfunction by implementing an early atherosclerotic microenvironment within a microfluidic chip. *Lab on A Chip*, **2019**, 19, 3664-3677 | 7.2 | 8 |
| 28 | Microfluidic-based observation of local bacterial density under antimicrobial concentration gradient for rapid antibiotic susceptibility testing. *Biomicrofluidics*, **2019**, 13, 014108 | 3.2 | 16 |
| 27 | Recent Developments of Chip-based Phenotypic Antibiotic Susceptibility Testing. *Biochip Journal*, **2019**, 13, 43-52 | 4 | 25 |
| 26 | On-chip phenotypic investigation of combinatory antibiotic effects by generating orthogonal concentration gradients. *Lab on A Chip*, **2019**, 19, 959-973 | 7.2 | 17 |
| 25 | Tracking adiponectin biodistribution via fluorescence molecular tomography indicates increased vascular permeability after streptozotocin-induced diabetes. *American Journal of Physiology - Endocrinology and Metabolism*, **2019**, 317, E760-E772 | 6 | 4 |
| 24 | Intrinsically stretchable multi-functional fiber with energy harvesting and strain sensing capability. *Nano Energy*, **2019**, 55, 348-353 | 17.1 | 57 |
| 23 | Visual Estimation of Bacterial Growth Level in Microfluidic Culture Systems. *Sensors*, **2018**, 18, | 3.8 | 15 |
| 22 | MineLoC: A Rapid Production of Lab-on-a-Chip Biosensors Using 3D Printer and the Sandbox Game, Minecraft. *Sensors*, **2018**, 18, | 3.8 | 4 |
| 21 | Development of Microfluidic Stretch System for Studying Recovery of Damaged Skeletal Muscle Cells. *Micromachines*, **2018**, 9, | 3.3 | 10 |
| 20 | Chemotaxis Model for Breast Cancer Cells Based on Signal/Noise Ratio. *Biophysical Journal*, **2018**, 115, 2034-2043 | 2.9 | 9 |
| 19 | Light Emitting Marker for Robust Vision-Based On-The-Spot Bacterial Growth Detection. *Sensors*, **2017**, 17, | 3.8 | 3 |
| 18 | Vasculature-On-A-Chip for In Vitro Disease Models. *Bioengineering*, **2017**, 4, | 5.3 | 79 |
| 17 | Vision Marker-Based In Situ Examination of Bacterial Growth in Liquid Culture Media. *Sensors*, **2016**, 16, | 3.8 | 4 |
| 16 | A quantitative microfluidic angiogenesis screen for studying anti-angiogenic therapeutic drugs. *Lab on A Chip*, **2015**, 15, 301-10 | 7.2 | 94 |
| 15 | Human 3D vascularized organotypic microfluidic assays to study breast cancer cell extravasation. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 214-9 | 11.5 | 462 |
| 14 | Constructive remodeling of a synthetic endothelial extracellular matrix. *Scientific Reports*, **2015**, 5, 18290 | 4.9 | 23 |
| 13 | Generation of 3D functional microvascular networks with human mesenchymal stem cells in microfluidic systems. *Integrative Biology (United Kingdom)*, **2014**, 6, 555-63 | 3.7 | 152 |

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| 12 | In vitro models of the metastatic cascade: from local invasion to extravasation. *Drug Discovery Today*, **2014**, 19, 735-42 | 8.8 | 57 |
| 11 | A microfluidic 3D in□vitro model for specificity of breast cancer metastasis to bone. *Biomaterials*, **2014**, 35, 2454-61 | 15.6 | 354 |
| 10 | Microfluidic Platforms for Evaluating Angiogenesis and Vasculogenesis **2013**, 385-403 | | |
| 9 | Mechanisms of tumor cell extravasation in an in vitro microvascular network platform. *Integrative Biology (United Kingdom)*, **2013**, 5, 1262-71 | 3.7 | 194 |
| 8 | In vitro model of tumor cell extravasation. *PLoS ONE*, **2013**, 8, e56910 | 3.7 | 173 |
| 7 | Microfluidic assay for simultaneous culture of multiple cell types on surfaces or within hydrogels. *Nature Protocols*, **2012**, 7, 1247-59 | 18.8 | 383 |
| 6 | A versatile assay for monitoring in vivo-like transendothelial migration of neutrophils. *Lab on A Chip* , **2012**, 12, 3861-5 | 7.2 | 77 |
| 5 | In vitro 3D collective sprouting angiogenesis under orchestrated ANG-1 and VEGF gradients. *Lab on A Chip*, **2011**, 11, 2175-81 | 7.2 | 121 |
| 4 | Hot embossing for fabrication of a microfluidic 3D cell culture platform. *Biomedical Microdevices*, **2011**, 13, 325-33 | 3.7 | 62 |
| 3 | Study of tumor angiogenesis using microfluidic approaches330-346 | | |
| 2 | Investigation on the Effect of Cyclic Stretch and Hypoxia on Recovery of Damaged Skeletal Muscle Cells Using Microfluidic System. *Advanced Materials Technologies*,2100465 | 6.8 | 1 |
| 1 | A Microfluidic Stretch System Upregulates Resistance Exercise-Related Pathway. *Biochip Journal*,1 | 4 | 0 |